Netbook

What Your 2 Year Warranty Means

Great care has gone into the manufacture of this product and it should therefore provide you with years of good service when used properly. In the event of product failure within its intended use over the course of the first two years after the date of purchase, we will rectify the problem as quickly as possible once it has been brought to our attention. In the unlikely event of such an occurrence, or if you require any information about the product please contact us via our after sales support service, details of which can be found in this manual and on the product itself.

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Notes on This Manual

Keep these instructions with your computer at all times. The proper setup, use and care can help extend the life of your computer. In the event that you transfer ownership of this computer, please provide these instructions to the new owner.

This manual is divided into sections to help you find the information you require. Along with the **Table of Contents**, an **Index** has been provided to help you locate information. In addition, many application programs include extensive help functions. As a general rule, you can access help functions by pressing F1 on the keyboard. These help functions are available to you when you use the Microsoft Windows® operating system or the various application programs.

This interactive manual is designed to provide additional information about your netbook as well as useful links accessible via the World Wide Web.

We have listed further useful sources of information starting on page 50.

Document your Netbook

It is important to document the details of your netbook purchase in case you need warranty service. The serial number can be found on the back of the netbook:

Serial Number .....

Date of Purchase .....

Place of Purchase .....

Audience

These instructions are intended for both the novice and advanced user. Regardless of the possible professional utilisation, this netbook is designed for day-to-day household use. The functions and applications for use with this netbook have been designed with the entire family in mind.

Quality

Medion has selected the components in this computer for their high level of functionality, ease of use, safety and reliability. Through balanced hardware and software design we are able to provide you with an innovative personal computer useful for applications relating to both work and leisure. We are pleased to welcome you as our newest customer. **Thank you for choosing our products.**

Table of Contents

Safety and Maintenance 1

Safety Instructions 3
Data Security 4
Setup Location 4
Ambient Temperature 5
Working in Comfort 6
Connecting 7
Power Supply 7
Cabling 8
Information about the Regulatory Compliance to R&TTE 9
Touchpad 9
Battery Operation 10

Views & Handling 11

Included with Your Netbook 13
Views 14
Open Netbook 14
Left Side 15
Right Side 15
Device Indicators 16
Getting Started 17
How to Start: 17
Step 1 17
Step 2 18
Step 3 18
Short Description of the Windows® Desktop 19

Main Components 23

Power Supply 25
On/Off Button 25
Power Adapter 26
Battery Operation 26
Inserting the Battery 27
Removing the Battery 27
Charging the Battery 28
Discharging the Battery 28
Battery Performance 28
Checking the Battery Level 29
Power Management 30
Sleep Mode 30
Hibernate Mode 30

Display 31
Opening and Closing the Display 31
Screen Resolution 31
Appearance and Personalization 32
Connecting an External Monitor 33
Duplicate the Desktop 34
Only display the Desktop on 1 34
Only display the Desktop on 2 34
Data Entry 35
The Keyboard 35
Netbook-Specific Key Combinations 35
Touchpad 37
Two-Finger Gesture 37
The Hard Drive 39
Important Directories 40
The Sound Card 41
External Audio Ports 42
The Network 43
What is a Network? 43
Ethernet-Network 43
Wireless LAN 44
Troubleshooting within the Network 45
Bluetooth 46
The Multimedia Card Reader 47
Inserting Memory Cards 47
Removing Memory Cards 47
Webcam 48
Actual Example Using Windows Messenger 48
Universal Serial Bus (USB) Port 48
Securing the Netbook 49
Startup Password 49
Using a Safety Lock 49
Software 50
Getting to Know Windows® 7 50
Windows® 7 - News 50
Windows® 7 - Help and Support 52
Windows® 7 – Getting Started 53
Windows® 7 - User Account Control 54
Windows® 7 – Control Panel 55
Installation of Software 56
How to Install your Software 56
Software Uninstallation 57
Windows Activation 58
Product activation on your Netbook 58
The BIOS Set-up-Program 59
Running the BIOS Set-up 59

BullGuard Internet Security 60
Customer Service and Self Help 62
Data and System Security 64
Data Security 64
Maintenance Programs 64
System Restore 65
Correction 65
Windows® Update 66
Windows Update Information for Data Security 67
System Restore 68
Limits of the Recovery 68
Carrying out a Restore 69
FAQ – Frequently Asked Questions 70
Customer Service 71
Localise the Cause 71
Check Cables and Connections 71
Errors And Possible Causes 72
Additional Support 73
Driver Support 73
Transporting the Netbook 74
Maintenance 75
Care of the TFT Display 75
Upgrades and Repairs 76
Notes for Service Engineers 76
Recycling and Disposal 77
Appendix 79
Standards 81
Electromagnetic Compatibility 81
ISO 13406-2 Class II 81
FCC Compliance Statement 83
Copying This Manual 83
Index 84

Chapter 1

Safety and Maintenance

Subject **Page**

Safety Instructions 3
Data Security 4
Setup Location.....4
Ambient Temperature 5
Working in Comfort 6
Connecting.....7
Power Supply.....7
Cabling 8
Information about the Regulatory Compliance according to R&TTE.....9
Touchpad 9
Battery Operation 10

Safety Instructions

Please follow the instructions in this section for the safe operation of your netbook:

- Do not allow small children to play unattended with electrical equipment.
- Keep the packing materials, such as foil away from children. The danger of suffocation could arise in the case of misuse.
- Do not open the case of the netbook, the battery or the power adapter. When the case is open there is a danger of severe electric shock.
- Do not insert foreign objects through the slots and openings of the netbook. This may lead to electric shock, electrical short-circuit or fire that will damage your netbook.
- Slots and openings in the netbook serve to ventilate it. Do not cover up these openings, because the netbook could overheat.
- Operation under extreme environmental conditions can result in damage to your netbook.
- Do not operate the netbook during a thunderstorm, in order to avoid damage through lightning strike.
- Never place objects on top of the netbook that would exert any pressure on the TFT display. There is a danger that even slight pressure may break the TFT display.
- An injury hazard exists when the TFT display breaks. Wear protective gloves when handling any broken parts. Wash your hands with soap.
- To avoid damage to the TFT display, never open it more than 120°. Do not forcibly open it.
- In order to avoid damage to the TFT display, do not touch it with your fingers or sharp objects.
- Never lift the netbook by the TFT display; doing so could break the hinges.
- The charging pin inside the netbook is connected to the motherboard. When the netbook is being charged, be careful not to pull the charger pin connection.

Switch off your netbook immediately or do not switch it on at all and contact the MEDION Help Desk if

- ...the power cord or the connectors attached to it are burnt or damaged. Replace the defective power cord with an original power cord. Under no circumstances may a defective power cord be repaired.
- ...the housing of the netbook is damaged or fluids have leaked into it. Have the netbook checked by customer service first as the netbook may not be safely operated and there may be a life-threatening risk of electrocution!

Data Security

Attention!

Every time you update your data make back-up copies on an external storage medium. MEDION does not assume liability for data loss or damage to data storage units, and no claims will be accepted for damages resulting from the loss of data or consequential losses.

Setup Location

- Do not keep or use your netbook and all connected equipment in damp environments and avoid dust, heat and direct sunlight in order to prevent operational problems..
- It is highly recommended you do not use the netbook outdoors.
- Operate the netbook and all peripherals on a stable, balanced and vibration-free surface.
- Do not leave the base of your netbook on your lap or any part of your body for a long period of time. The netbook can become very warm while it is turned on or charging and can cause discomfort or injury from heat exposure.
- In the first hours of operation, new devices may emit a typical, unavoidable but completely harmless smell, which will decline increasingly in the course of time. We recommend that you ventilate the room regularly, in order to counteract the formation of the smell.

Ambient Temperature

- The netbook is most reliably operated at an ambient temperature between +41° F (5° C) and +95° F (35° C) and at a relative humidity between 20% and 80% (without condensation).
- When powered off, the netbook can be stored at temperatures between +32° F and 140° F (0° C and 60° C).
- Unplug the cable during thunderstorms and make especially sure to remove the antenna cables, if present. We recommend the use of a surge protector for additional safety, in order to protect your netbook from being damaged by power peaks or lightning strikes through the power network.
- Wait until the netbook has reached ambient (room) temperature before turning it on or connecting it to the power adapter. Drastic variations in temperature and humidity can create condensation within the netbook and may cause it to short-circuit.
- Transport the netbook in its original packaging.

Working in Comfort

Sitting in one position for long periods can be uncomfortable. To minimise the potential for physical discomfort or injury, it's important that you maintain proper posture.

- Back – While sitting at your work station, make sure your back is supported by the chair's backrest in an upright position or angled slightly backwards.
- Arms – Your arms should be relaxed and loose, elbows close to your sides, with forearms and hands approximately parallel to the floor.
- Wrists – Your wrists should be as straight as possible while using the keyboard, mouse or trackball. They should not be bent sideways, or more than 10 degrees up or down.
- Legs – Your thighs should be horizontal or angled slightly downward. Your lower legs should be near a right angle to your thighs. Your feet should rest flat on the floor. If necessary, use a footrest, but double check that you have your seat height adjusted correctly before getting a footrest.
- Head – Your head should be upright or tilted slightly forward. Avoid working with your head or torso twisted.
- Overall – Change your position frequently and take regular breaks to avoid fatigue.

Connecting

Pay attention to the following information in order to connect your netbook correctly:

Power Supply

- Do not open the power adapter housing. When the housing is open there is a danger of severe electric shock. It contains no user-serviceable parts.
- The electric outlet must be in the vicinity of the netbook and within reach of the power adapter cables.
- To disconnect your netbook from the power source, or set the netbook to battery operation, remove the power cord from the netbook's power socket.
- Only use the netbook with a power adapter operating at AC 110-240V~/50-60 Hz. For details on power consumption, please refer to the rating plate on the rear of your netbook. If you are unsure of the type of power supply available at the point of use, ask your local power company.
- Use only the supplied power cord and power adapter.
- To provide additional protection against electric shock, power surges, lightning strikes, or other electrical damage to your netbook, we recommend the use of a surge protector.
- To detach the network adapter from the mains power supply remove the plug from the power source first and then remove the connector from the netbook. A reverse sequence could damage the network adapter or the netbook. Always hold the connector firmly when removing it. Never pull on the power cord.

Cabling

- Arrange cables so that no one can walk on or trip over them.
- Do not place objects on any of the cables.
- Do not allow any large forces to be exerted on the plug-in connections, from the side, for example. This will otherwise lead to damage to and in your device.
- Do not exert any force when connecting cables and plugs and pay attention to the correct orientation of each plug.
- Pull the connection at the plug, not at the cable, when you are detaching a connection cable from your device.
- Avoid short circuits and cable breaks by not squeezing the cable or bending it sharply.
- To avoid damage to your netbook, connect your peripherals (e.g. keyboard, mouse and monitor) whilst your netbook is powered off. Some devices can be connected whilst your netbook is in use. These devices usually have a USB connector. Please follow the appropriate instructions for each device.
- Keep the netbook at least one metre (approximately three feet) away from high frequency and magnetic interference sources (e.g. televisions, loudspeaker cabinets, mobile telephones, etc.) in order to avoid malfunctions and/or loss of data.
- Please note that only shielded cables shorter than 3 metres (9.84 ft) should be used for the LPT, COM, USB, IEEE 1394, audio, video and network interfaces with this netbook. When connecting a printer to your netbook, please only use a printer cable with double shielding.
- Only use power cables/connection cables supplied with the netbook and its devices as the cables have been extensively tested.
- It is recommended to disconnect any cables from your netbook that are not connected to a peripheral device or are not in use.
- Only devices complying with the following safety requirements should be connected to your notebook: "EN60960 safety of information technology equipment" or "EN60065 Audio, video and similar electronic apparatus".

Information about the Regulatory Compliance to R&TTE

The following remote equipment has been supplied with this netbook:

- Wireless LAN
- Bluetooth

When used in France, the built-in wireless LAN solution may only be used in buildings due to the capacity of the device (> 100mW).
Currently the other EU-countries and Australia do not have any restrictions.

The company declares herewith that these devices are in agreement with the fundamental requirements and the other relevant terms of the 1999/5/EG Guideline. Complete declarations of conformity are available under www.medion.com/conformity.

CE
N11652

Touchpad

- Light pressure with the tip of your finger is all that is required to operate the touchpad. Because the touchpad is electrostatic sensitive, objects cannot be used in place of your fingers. Using a pen or other object can damage the touchpad or cause the netbook to malfunction.

Battery Operation

To extend the life and power of your battery and guarantee secure operation, the instructions below should be followed:

- Never expose the battery to direct sunlight or heat for long periods.
- Do not dispose of the battery by fire.
- Disregarding these instructions will lead to damage and under some circumstances may even cause the battery to explode.
- Do not open the battery housing; it contains no user-serviceable parts.
- Keep the battery away from electrically conductive materials, chemical substances and cleaning agents.
- Only use the originally supplied power adapter to charge the battery.
- Ensure (through the display or the signalling sound of the netbook) that the battery is completely discharged before recharging it.
- Replace the battery only with the same type or an equivalent type recommended by the manufacturer.
- Charge the battery only until the battery charging light goes out. Also, refer to the instructions under “Charging the Battery” on page 28 for instructions on checking the battery level.
- Only change the battery when the unit is switched off.
- Batteries are classified as special waste and should always be disposed of properly. Contact the MEDION Help Desk for more details.

Chapter 2

Views & Handling

Subject **Page**

Included with Your Netbook 13
Views 14
Open Netbook 14
Left Side 15
Right Side 15
Device Indicators 16
Getting Started 17
How to start 17
Short Description of the Windows® Desktop 19

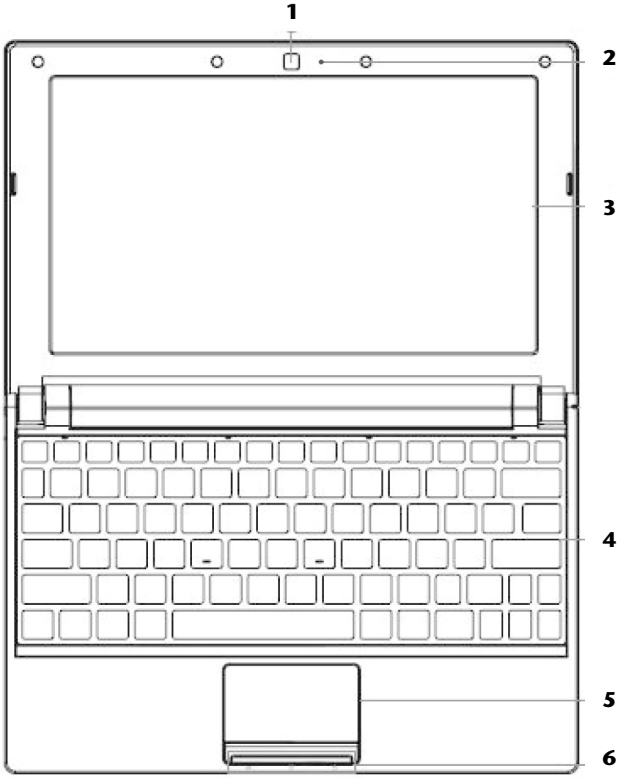
Included with Your Netbook

Please check that the contents are complete and notify us **within 7 days of purchase** if any of the following components are missing:

- 10” Netbook
- USB Scroll Mouse
- 6-cell Li-Ion Battery
- AC Adapter with Power Cord (Model: FSP045-RHC)
- Software Package
- Instruction Manual
- Warranty Certificate
- Warranty Sticker

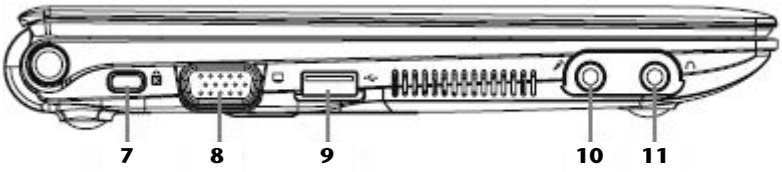
Views

Open Netbook



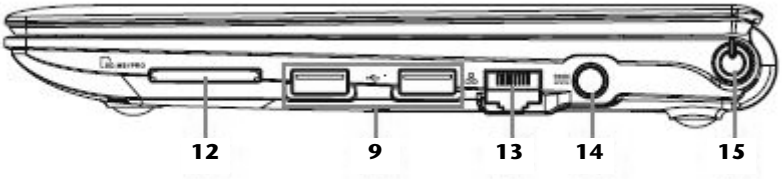
1 - Webcam ..... (⇨ p. 48)
2 - Microphone..... (⇨ p. 42)
3 - TFT Display.....(⇨ p. 31)
4 - Keyboard .....(⇨ p. 35)
5 - Touchpad .....(⇨ p. 37)
6 - Device Indicators .....(⇨ p. 16)

Left Side



7 - Kensington® Lock .....(⇨ p. 49)
8 - External monitor port VGA .....(⇨ p. 31)
9 - USB Port .....(⇨ p. 48)
10 - Microphone .....(⇨ p. 42)
11 - Audio Out / headphones ..... (⇨ p. 42)

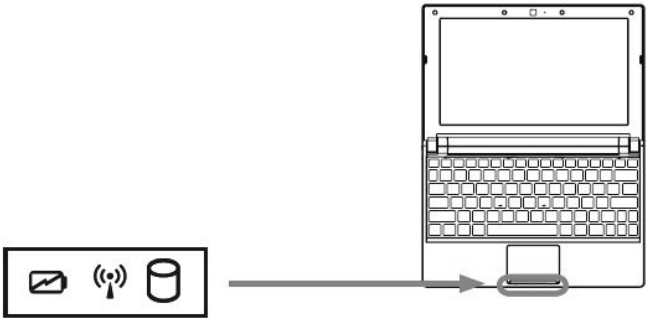
Right Side



9 - USB Port .....(⇨ p. 48)
12 - Multimedia Card Reader .....(⇨ p. 47)
13 - LAN Port (RJ-45) .....(⇨ p. 43)
14 - Power Socket .....(⇨ p. 26)
15 - Power ON/OFF .....(⇨ p. 25)

Device Indicators

LED's indicate the power and operating system states of the netbook. The meaning of each LED is:



Battery LED

This LED lights when the battery is charging.

Access indicator

This LED lights or flashes when the netbook is accessing the hard disk.

WLAN / Bluetooth LED

This LED lights when the WLAN / Bluetooth function is activated.

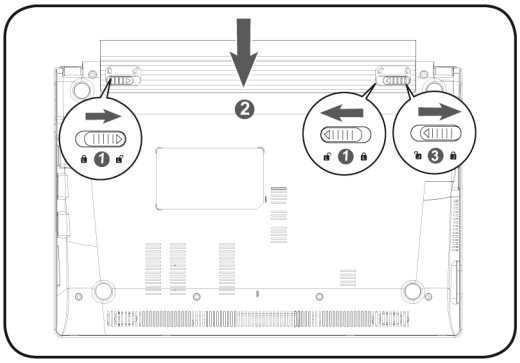
Getting Started

Before you get started using your netbook, first take a few moments to read the important section on **Safety**. This netbook comes with software **fully pre-installed**. You do not have to install software from any of the discs supplied.

How to Start:

Step 1

- Insert the battery before bringing the netbook into operation by sliding the battery pack into the compartment. The battery should remain locked in order to avoid it falling out.



- Connect the supplied power adapter to the netbook at the netbook power socket (**14**). Connect the power adapter via a power cable to a free AC power outlet. Set the switch on the power adapter to the **I** setting, in order to supply the netbook with electricity and to charge the battery.
  (Set the switch to **0** to interrupt the electricity supply.)
- Open the display to the required position with your thumb and index fingers. To avoid damage to the TFT Display, never open it more than 120°. Do not forcibly open it.
- Please ensure that the battery is inserted and the power adapter connected when operating the netbook for the first time. If you fail to do this, Windows® 7 will not be able to calculate the performance index correctly.

- Switch the netbook on by operating the On/Off Switch (**15**). The netbook starts and now goes through a number of phases.

The **operating system** is loaded from the hard drive. During the initial setup, the loading process takes slightly longer than normal to register the operating system and the individual components completely. Your operating system is finished loading when a welcome screen is shown on your display.

Step 2

The greeting procedure will guide you through a series of dialogue boxes. The information in each dialogue box will explain the steps that need to be taken.

Should you have any questions just click on .

- **License Agreement**
  The greeting procedure also displays the license agreement. Please read this carefully. It contains important legal information on the use of your software. In order to see the full text, use the mouse and the scroll bar on the right side of the screen to move downwards until you have reached the end of the document. You accept the agreement by clicking on the **"I accept the agreement"** option field. Only by doing so will you be entitled to use the product under lawful terms and conditions.

Step 3

After the login procedure the Windows® desktop appears on your screen. This can be adjusted so that the screen of your computer looks different, however basic operation is guaranteed. You will find a brief overview on the following pages.

Short Description of the Windows® Desktop

❶ Start Button

Clicking the Start button brings up a menu where you can access help, software programs, files, and settings

❷ All Programs

All of the software programs installed on your netbook are ordinarily listed here. Click **All Programs** to reveal an extensive menu.

❸ Taskbar

You can start programs and switch between already active programs using the taskbar beneath the screen. You can place every program in the taskbar under Windows® 7, so that you can always open it with a single click. Furthermore, you can rearrange the symbols on the taskbar by clicking on them and dragging them to the desired position. Move the cursor over the symbols, and the system will display a miniature of every file or window open in the program. When you move your cursor over the miniature, the system will display a full-screen preview of the particular window. If you move the cursor away from the miniature, the full-screen preview will close.

❹ Windows Search

Windows Search helps you find almost all data located on the netbook, quickly and easily. With Windows® 7, you get search results with greater relevance, and they are easier to understand.

❺ Program Bar

The most commonly used software programs are listed here. The operating system recognises all this automatically. Clicking on an entry with the right mouse key enables you to decide which entry on the list to keep or to remove. The program linked to the input is not erased.

❻ Turn Off

To turn off the netbook, click on the **Shut down** button with the left mouse key.

❼ Display Desktop

Click on this Button if you would like to minimise all the windows open onto the taskbar, in order to obtain a clear view of the Desktop.

❽ Desktop Icons

Desktop icons link to their respective programs. To start a program, double-click its desktop icon.

The desktop encompasses nearly the entire screen and acts as the shelf space for such entries or for other links, to which you would like rapid access.

❾ Logged in User

This tells you which user is logged in to your netbook.

⑩ **Control Panel**

You can use the icons in Control Panel to change the appearance and functionality of Windows®7. These icons represent options for configuring your netbook. You should, however, consult **"Help and Support"** on the potential effects of certain changes.

ⓘ **System Tray**

System tray on the current time. When certain events occur, for example, upon receipt of an e-mail message or upon opening the task manager, it may happen that too many notification symbols are displayed in this field. Windows® displays a notification symbol when an event occurs. After a short time, Windows® places the symbol in the background, in order to maintain the straightforwardness of the field. You can access the symbols placed in the background by clicking on a button in the system tray.

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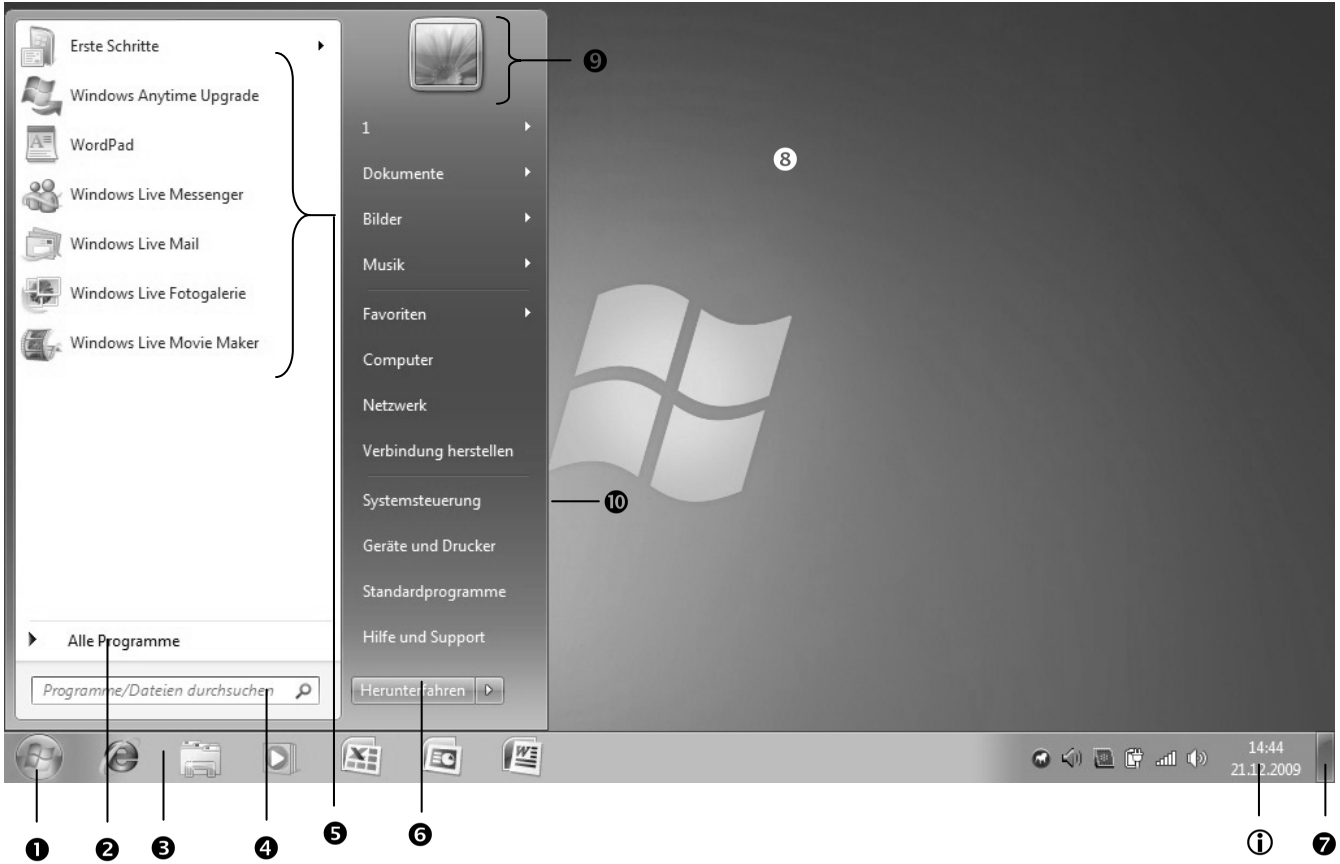


Chapter 3

Main Components

Subject **Page**

Power Supply 25
Display 31
Data Entry 35
The Hard Drive..... 39
The Sound Card..... 41
The Network..... 43
The Multimedia Card Reader 47
Webcam 48
Universal Serial Bus (USB) Port..... 48
Securing the Netbook 49
Software 50

Power Supply

On/Off Button

Power on or off your netbook by pressing the on/off button (**15**) briefly.

The power indicator will inform you about the operational status of the netbook. The netbook will always be switched off if the main switch is pressed for more than 4 seconds.

Warning!

Do not switch off your netbook while the **hard disk** is running. Otherwise data may be lost. To protect the hard disk you should always wait for 20 seconds after powering down the netbook before powering it up again.

Power Adapter

Your netbook is supplied with a universal AC power adapter, which automatically adjusts to the available power source. The following levels are supported: **AC 100-240V~/ 50-60 Hz.** Please follow the power supply **safety instructions** found on page 3.

The power adapter is connected via a power cord to an AC outlet. The DC power lead from the power adapter is connected to the **left** side of the netbook (**12**).

The adapter has an on and off switch. No electricity will be used and the netbook will not be supplied with electricity if the on/off switch is set to OFF (**0**).

The adapter provides the netbook with power in the ON setting (**1**) and also charges the battery. The power supply indicators of the netbook provide details on the state of the battery. The battery is also being charged when you are working on your netbook with the power adapter connected. The power adapter is still receiving power even when your netbook is not connected to it. You should therefore unplug the power adapter from the outlet if it is not connected to the netbook or set the adapter to OFF (**0**).

Warning!

Only use the power adapter and power cord supplied with your netbook.

Battery Operation

Note

Please charge and discharge the new battery completely two to three times in succession. Only then will it achieve its full performance level!

Batteries store electrical energy in their cells and then deliver it when needed.

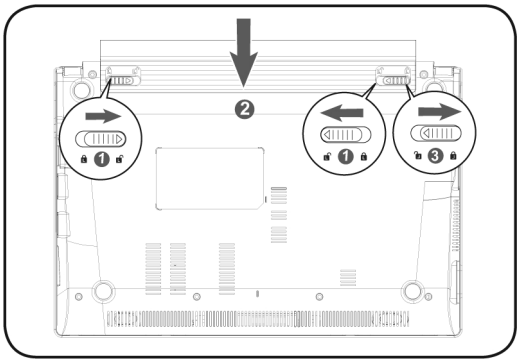
The useful life and performance of your battery will depend on careful handling.

The battery should be completely discharged before a charging process and completely charged again in order to optimise its useful life and its performance.

Please also pay attention to the Safety Notes on page 7.

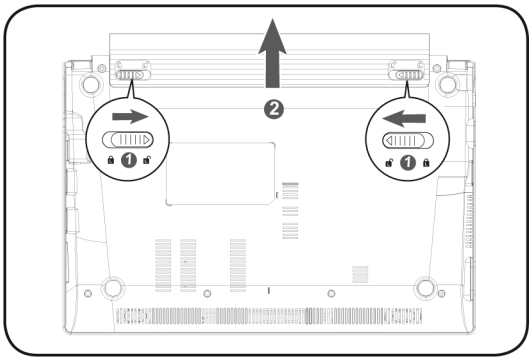
Inserting the Battery

Insert the battery before bringing the netbook into operation by sliding the battery pack into the compartment. The battery should remain locked in order to avoid it falling out.



Removing the Battery

Push the Safety Lock to the 'Unlock' position in order to remove the battery pack, then slide the battery out of the compartment.



Warning!

Do not remove the battery while the netbook is running on battery power, this will very likely cause data loss.

Warning!

Keep the contacts on the battery and netbook clean when storing them. Dirty contacts might lead to malfunctions.

Charging the Battery

The battery is charged via the power adapter. If the power adapter is connected, it charges the battery automatically, no matter if the netbook is turned on or off. If the netbook is switched on, the charging process takes a significantly longer time.

Note

The charging process will be interrupted if the temperature or the voltage of the battery is too high.

Discharging the Battery

Operate the netbook on battery power until it switches off automatically.

Note

Remember to save your open files in time to avoid possible loss of data.

Battery Performance

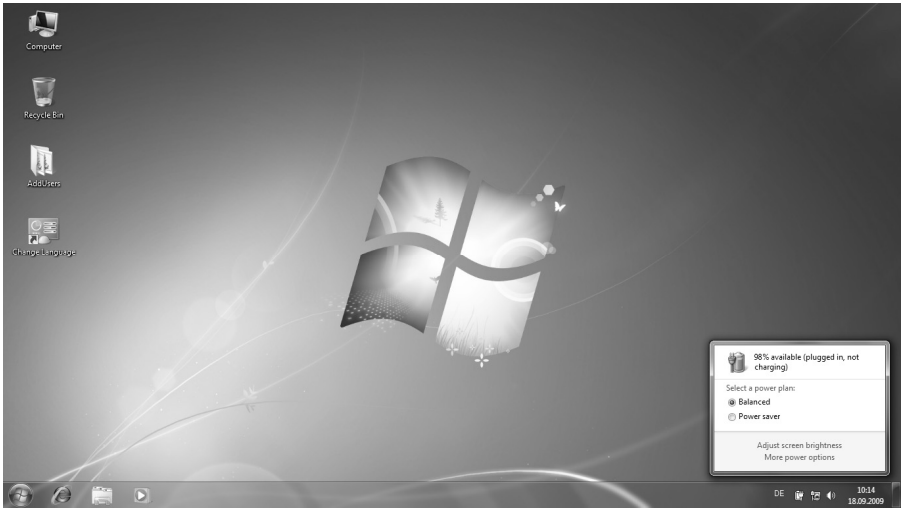
The battery life time during a session will vary depending on the setting of the energy saving function in Windows. You can adjust these to your requirements under **Energy Options** in **System Control**. Apart from this, your netbook will require more power when carrying out certain tasks, such as playing back a high resolution video file.

Checking the Battery Level

In order to check the current level of the battery, move the cursor over the power symbol in the taskbar.

The symbol of a battery is displayed during battery operation.

You will receive additional information about settings if you double click on this symbol.



Note

If you ignore the warning signal when the battery level is low, your netbook goes into hibernate mode.

Warning!

Never remove the battery while the netbook is switched on or if the netbook has not yet gone into hibernate mode, as this may lead to loss of data.

Power Management

Your netbook offers automatic and modifiable power saving functions that you can use to maximise battery life and reduce overall operating costs. The power saving modes are known as sleep mode and hibernate mode.

Sleep Mode

When in sleep mode, the contents of the RAM of your netbook are preserved while practically all other components of your netbook are shut down, reducing your power consumption to a minimum. By pressing any key on the keypad, you can bring your netbook back to the fully operational state. You will restart in precisely the same state in which you were working prior to the interruption. The computer takes less time to go into and come out of sleep mode, but uses more power than hibernate mode.

Hibernate Mode

The hibernate mode is an alternative to a complete shutdown of the netbook. In this mode all data from RAM (system and graphic data) is copied to the hard disk as a file. As soon as the data has been safely saved, the netbook powers down. When the netbook is switched on again, this file is written back to RAM by the BIOS. In a few moments the netbook is in the exact state as when it was last used. If while working on a document the netbook is closed (assuming the correct ACPI setting), the netbook saves the data in RAM for you automatically. You will restart in precisely the same state in which you were working prior to the interruption. The computer uses no power while it is in hibernate mode, but it takes a little longer for the computer to go into and come out of hibernation compared to sleep mode.

Display

Opening and Closing the Display

The display is locked by means of a special construction of the display hinge so that an additional lock is not necessary.

1. To open, lift the display with your thumb and index finger and position it as desired.

Warning!

Do not forcibly open the display.

Various functions can be assigned to the opening and closing of the display. You will be able to change these settings via the Power Management feature.

Screen Resolution

The integral screen has a native resolution of **1024 x 600** pixels. Using a higher resolution can lead to distortion of the display, especially with text. Using a lower resolution may cause the display to use only a portion of the screen area.

You can adjust the presentation to the mode supported with the Windows **"Control Panel ⇨ Appearance and Personalization ⇨ Display Settings ⇨ Adjust screen resolution ⇨ Advanced Settings"** Help Program.

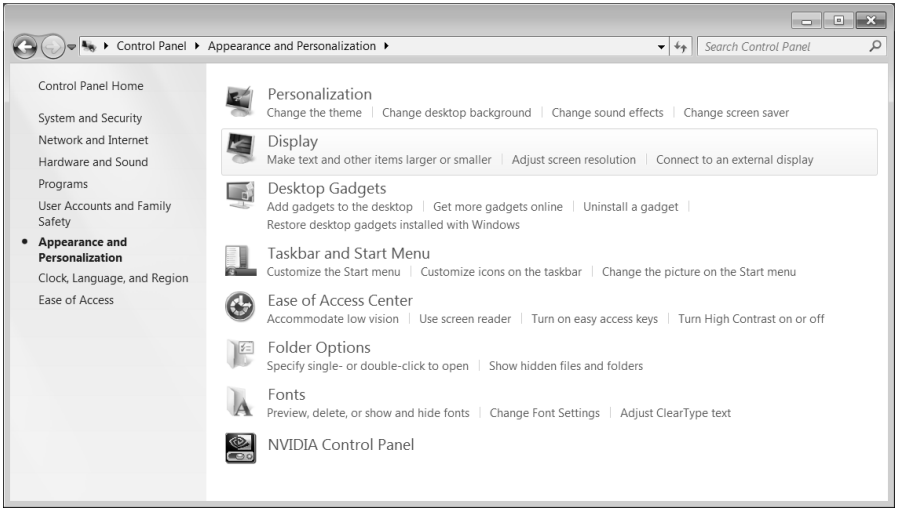
Appearance and Personalization

This program offers you the possibility of adjusting the presentation on your display. This includes the background image, the screensaver, Active Desktop (web) and additional settings of your display and your graphics card, for example. The program can be started in the following way:

- Right mouse click on the Windows interface (Desktop) and left mouse click on **Personalization**

or

- Via **Start** ⇨ **Control Panel** ⇨ **Appearance and Personalization** with a double-click with the left mouse button.


Control Panel ▸ Appearance and Personalization ▸
Search Control Panel
Control Panel Home
System and Security
Network and Internet
Hardware and Sound
Programs
User Accounts and Family Safety
Appearance and Personalization
Clock, Language, and Region
Ease of Access
Personalization
Change the theme | Change desktop background | Change sound effects | Change screen saver
Display
Make text and other items larger or smaller | Adjust screen resolution | Connect to an external display
Desktop Gadgets
Add gadgets to the desktop | Get more gadgets online | Uninstall a gadget
Restore desktop gadgets installed with Windows
Taskbar and Start Menu
Customize the Start menu | Customize icons on the taskbar | Change the picture on the Start menu
Ease of Access Center
Accommodate low vision | Use screen reader | Turn on easy access keys | Turn High Contrast on or off
Folder Options
Specify single- or double-click to open | Show hidden files and folders
Fonts
Preview, delete, or show and hide fonts | Change Font Settings | Adjust ClearType text
NVIDIA Control Panel

The following adjustment possibilities are available:

- **Personalization**
- **Display**
- **Desktop Gadgets**
- **Taskbar and Start Menu**
- **Ease of Access Center**
- **Folder Options**
- **Fonts**

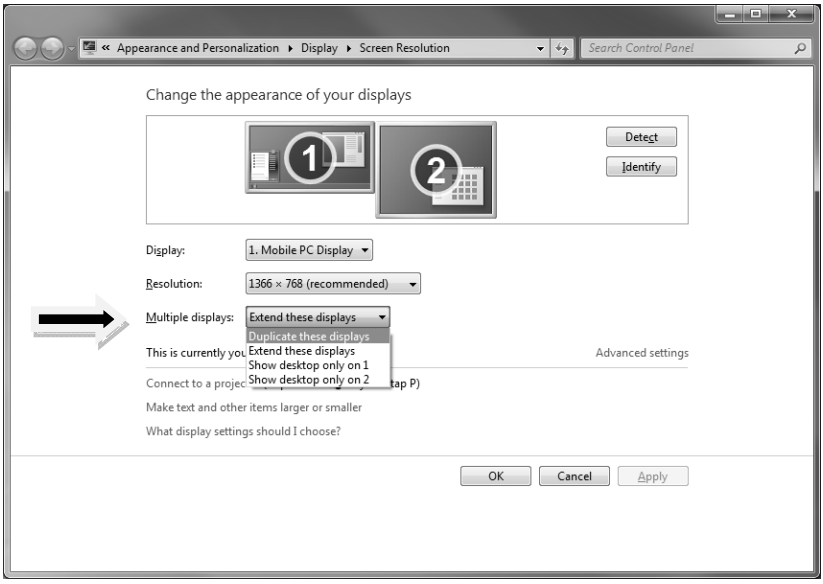
Connecting an External Monitor

The netbook has a VGA port (**8**) for connecting an external monitor.

1. Shut down your netbook.
2. Connect the video signal cable of the external monitor to the VGA port of the netbook (**8**).
3. Connect the external monitor to the electrical socket and power it up.
4. Start your netbook.

The external screen will be determined after the operating system has been loaded. Several possibilities will be available to you. You will call them up as follows:

1. A right click on the display.
2. Select the **Screen Resolution** option in the selection window.



3. Select from the following options under **Multiple displays**:

- **Duplicate these displays**
- **Show desktop only on 1**
- **Show desktop only on 2**

Duplicate the Desktop

This Mode duplicates the display of the netbook on an external monitor.

Information

The same screen resolution must have been set on both devices in the case of this mode.

Only display the Desktop on 1

The Desktop will only be displayed on the main monitor 1.

Only display the Desktop on 2

The Desktop will only be displayed on the second (external) monitor.

Data Entry

The Keyboard

By dual assignment of certain keys you have the same range of functions available to you as with a normal Windows® keyboard. Some functions are input using the **Fn** key, which is normal on netbook computers.

Netbook-Specific Key Combinations

Combination	Description
Fn + F1	Save energy This key combination is set to Standby as standard. Please go through **Personalization** , **Energy Options**, in order to adjust this key combination to your needs.
Fn + F2	WLAN /Bluetooth Enables or disables the WLAN / Bluetooth function.
Fn + F3	Email Activate your standard email program with this key combination.
Fn + F4	Internet Activate your standard Internet browser with this key combination.
Fn + F5	Reduces screen brightness.
Fn + F6	Enhances screen brightness.
Fn + F7	Display Switches the display on or off.
Fn + F8	Toggles the display screen between internal monitor, external monitor and simultaneous display.

Combination	Description
Fn + F9	Touchpad Switches the touchpad on / off.
Fn + F10	Mute Switches the loudspeakers on / off.
Fn + F11	Increases the volume.
Fn + F12	Decreases the volume.
Fn + F13	Increases the volume.
Fn + Scr Lk	Numeric key block This key combination activates / deactivates the numeric key block.
Fn + ←	Home Executes the function HOME.
Fn + ↑	PgUp ↑ Executes the function PgUp.
Fn + ↓	PgDn ↓ Executes the function PgDn.
Fn + →	End Executes the function END.

Touchpad

The touchpad is positioned in front of the keyboard.

The mouse pointer (cursor) follows the direction determined on the touchpad by the movement of your finger in the normal mode.

Caution!

Do not use a ball-point pen or other object on the touchpad as this could damage or cause a malfunction of your touchpad.

Below the touchpad are the left and right mouse buttons which can be used as on a normal mouse.

You can also perform a direct click or double click using the touchpad by tapping the surface briefly once or twice.

In the Windows® Control Panel you will find a number of useful settings that will make using the touchpad easier.

Two-Finger Gesture

Your touchpad supports a two-finger gesture which can be applied to customised functions.

The gestures and their functions are described as follows:

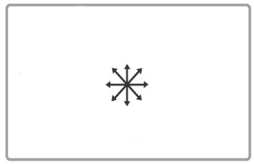
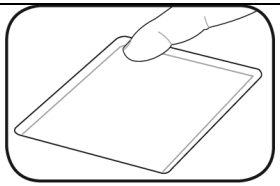
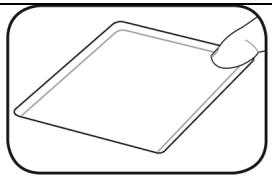
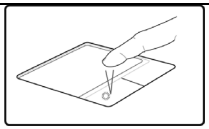
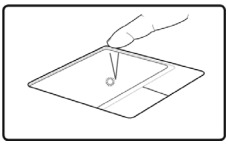
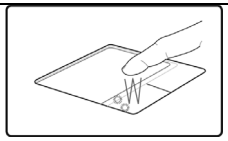
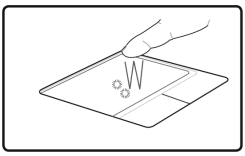
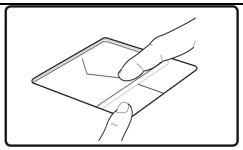
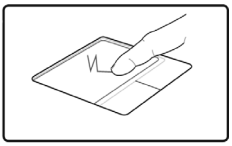
Illustration	Command	Function
	Move object	Click on the object to be moved with 1 finger
	Image upwards	Place 1 on the right side of the touchpad and move it upwards
	Image downwards	Place 1 on the right side of the touchpad and move it downwards

Illustration	Command	Function
 or 	Select an object	Tap 1 finger on a touchpad key or on the touchpad to select an object.
 or 	Start program / application	Tap a program /application twice with 1 finger to start it directly.
 or 	Move an object	Select and mark the object with 1 finger, then press and hold down the left touchpad key and pull the object to the required position with the other finger at the same time.

The Hard Drive

The hard drive is the main storage medium combining large storage capacity and rapid data access.

The hard drive contains the operating system of the computer, other application programs and backup files. These programs and files are pre-installed on your netbook, so you may note that some of the space on your hard drive is already taken.

The Windows operating system cannot use the full capacity of the hard drive, which means that there will be a difference between the capacity that the BIOS displays and what the operating system displays. The operating system of the netbook, further application programs and backup files are located on the hard drive and reduce its total capacity.

The hard drive is addressed as drive **C** and **D**.

Usually your hard disk is divided into more partitions. The configuration of your hard drive can be displayed and configured under "**Disk Management**". To familiarise yourself with the hard drive configuration, search Windows Help for the key word "**Disk Management**".

In your first partition (**C:**\) you will find the operating system, application programs and the users' documents.

The second partition (**D:**\) serves for data security and contains additional drivers (**D:\Driver**) and tools (**D:\Tools**) for your netbook.

Note

You will also find in two otherwise non-overwriteable partitions the system restoration start files (⇨ p. 68), as well as installation files for Windows® 7. These partitions are not visible and should not be erased.

Important Directories

In the following we have listed the most important directories and described their content.

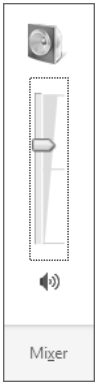
Attention!

Do not delete or modify these directories or their contents since data could be lost or the functionality of the system could be at risk.

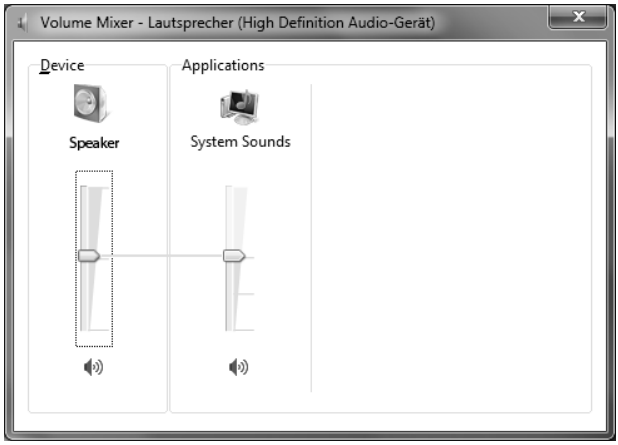
C:	The master directory of drive C: includes important files required to start Windows®. In the factory setting these files are hidden for safety reasons.
C:\Program Files	As the name suggests, in this directory programs install the files belonging to the application.
C:\Windows	The main directory of Windows®. This is where the files of the operating system are saved.
D:\Driver	This folder includes the drivers required by your computer (pre-installed).
D:\Tools	Here you find additional programs and other documentation for your netbook.

The Sound Card

Your netbook has an integrated stereo sound card (on-board) with 16-bit and 3D spatial sound effects (3D). The sound card is compatible with the industry standard Sound Blaster and Microsoft Sound System Version 2.0. This guarantees optimal support for all popular programs and games. If you wish to alter the base volume, click on the loudspeaker symbol in the task bar.



Click on **Mixer**, in order to open the volume mixer.



By using the keys **Fn** + **F11** and **Fn** + **F12** you have the possibility to regulate the volume.

External Audio Ports

Your netbook has a loudspeaker so you can always playback sounds without additional equipment. The use of the external connections gives you the opportunity to connect your netbook to external audio devices.

Caution!

The use of headphones/earphones with a high volume can lead to lasting damage to your hearing. Set the volume to the lowest level before reproducing any sound. Start the sound reproduction and increase the volume to the level that is comfortable for you. Changing the basic settings of the equaliser can also cause damage to the hearing of the listener.

It can cause damage to the hearing ability of the listener if a device is operated through earphones with an increased volume for a long period.

Line in / Microphone In (10)	For recording via an external microphone.
Audio out (11)	For sound reproduction via external stereo equipment such as loudspeakers (active) or headphones.

The Network

What is a Network?

A network means connecting your netbook to one or several other computers. Users can transfer data between computers and share resources such as printers and hard disk drives.

Here are some practical examples:

- You can exchange E-mail and manage appointments in an office.
- Users can share a printer in a network and save their data on a central server.
- Two or more computers can be connected to play network games or share data.

Ethernet-Network

If your netbook has an Ethernet connection, you can use this to connect to a network.

The following explanation refers to netbooks with a network connector.

Connect one end to the RJ45 connection (Western plug) at the network interface of your netbook (**13**) and the other to another PC or a hub/switch.

The Windows® Help and Support Centre offer extensive information about networking your netbook. You can access this information by clicking on **Start**, then **Help and Support**.

Wireless LAN

Wireless LAN is an optional feature. This function allows you to create a wireless network link with an access point or directly with another wireless-enabled PC.

Using the Quick launch key combination **Fn+F2** you can enable or disable the wireless LAN function. A corresponding LED will light.

Warning!

Make sure the Wireless LAN option is switched OFF in any environment where it might interfere with critical and sensitive devices, e.g. on aircraft, in hospitals and other medical centres, etc.

Conditions

An access point is a wireless transmitter that communicates with your netbook and controls access to the network connection (e.g., a home network or a broadband connection such as DSL). Wireless access points are often found in offices, airports, universities or Internet cafés. They offer access to networks or to the Internet. **Access authorisations** are normally needed. A fee may be required to use a public access point. To set up a wireless network to share Internet access, files, and printers at home, you will need an access point, a router, and a broadband (DSL or cable) modem. Some access points can also serve as a router and/or a broadband modem. Check with your retailer or Internet Service Provider to find the best solution for your needs. A link to another computer with wireless LAN functionality can also be created **without an access point**. This will allow you to share files, but you will need an access point and a router to share an Internet connection. The wireless network connection works in accordance with the **IEEE 802.11n** Standard (compatible with the 802.11b/g Standard). If encrypted transmission is used, this must operate according to the **same principle on all devices**. Encryption is a method of protecting the network from unauthorised access. The transmission speed (max. 300 Mbit/s*) can vary according to the **distance** and **loading** of the partner.

* 300 Mbit/s is a gross value. During actual use only max. 75 Mbit/s is achieved.

Troubleshooting within the Network

Why does an error message appear when I click on the network environment?

The **computer name** must be unique on the network and may not be the same as the **task group**.

It appears that the network boards are unable to communicate. What might be the problem?

Maybe one of the used network boards works with a **different speed** (e. g. 10 instead 100 Mbit/s) and your network computer is unable to recognise this. If necessary, set the network driver to the compatible speed.

If two PCs should be linked you require a **cross-link** cable, otherwise use a **patch** cable.

In addition, check the **protocols** and the **configuration**.

The data transmission is incorrect or very slow. What might be the problem?

Maybe you have the wrong cable (UTP / CAT3 or lower) or the problem is the proximity of a power cord or another source of interference.

Bluetooth

Bluetooth wireless technology is designed to replace cables between devices, such as your printer, keyboard, and mouse.

Bluetooth wireless technology operates over a short distance. Bluetooth devices use radio transmission, which enables your computer, mobile phone, printer, keyboard, mouse, and other devices to communicate with each other without cables.

There are several uses for Bluetooth wireless technology, including, but not limited to:

- Creating a wireless connection to the Internet with a mobile phone.
- Transferring files between computers or between a computer and another device.
- Printing to a Bluetooth wireless printer.
- Using a Bluetooth wireless keyboard and mouse.
- Joining a personal area network (PAN).
- Synchronizing a personal digital assistant (PDA) to a computer or another device using Bluetooth wireless technology.

The data transfer speed for Bluetooth wireless technology can be up to 700 kilobits (Kbp/s) per second. The data transfer speed can vary depending on the device or environmental factors. A Bluetooth device can transmit through walls, pockets, and briefcases.

Since Bluetooth is using the same frequency range as WLAN, simultaneous use might cause interference. If this should happen you can disable one service temporary.

Using the key combination **Fn + F2** you can enable or disable the Bluetooth function.

Warning!

Make sure the Bluetooth option is switched OFF in any environment where it might interfere with critical and sensitive devices, e.g., on aircraft, in hospitals and other medical centres, etc.

The Multimedia Card Reader

Memory cards are media that are being used for a variety of purposes, especially in digital photography. They are increasingly replacing the floppy disk. The form and capacity of a memory card can vary according to the manufacturer.

Your netbook supports the following formats:

- MMC (MultiMediaCard)
- SD® (Secure Digital)
- Memory Stick / Memory Stick Pro

When inserting memory cards, ensure that the contacts are facing the right way. See table below. Incorrect insertion of a card can cause damage to the card reader and/or the card.

Card type	Contacts
SD® (Secure Digital)	pointing downwards
MMC (MultiMediaCard)	pointing downwards
Memory Stick	pointing downwards
Memory Stick Pro	pointing downwards

Inserting Memory Cards

Note

Memory cards can only be installed in **one direction**. Refer to the instructions above.

Push the memory card into the slot.

Removing Memory Cards

In order to remove the card, first push it into the contact to unlock it. Pull the USB card from the bay and store it securely.

Webcam

Various services like calling online can be used with the built in webcam.

Actual Example Using Windows Messenger

1. Start Windows Messenger and create a user account if you do not already have one. This service is free of charge. You only pay the cost of your Internet connection.
2. Select your contact from the list and click on the camera icon below your display image.

A wizard helps you optimise the settings of your speakers, microphone and webcam. Follow the instructions on your screen.

3. Click on **Finish** to transmit your image via the webcam.
4. If your contact also has a webcam, click on the camera icon below the display image of your contact to receive the live image.

Universal Serial Bus (USB) Port

USB ports provide an easy way to connect many peripheral devices to your netbook (**9**). You can use any USB device with any USB port. Your netbook has **3 USB 2.0 connection sockets** (USB 1.1 compatible).

Some USB devices require that you reinstall software drivers when you connect the device to a different USB port than the one originally used. This can be avoided by always using a certain device with the same USB port.

Devices connected directly to the USB port should not draw more than 500 mA. Should the devices need more power than this, it will be necessary to provide a powered hub. The data transfer speed is 1.5 Mbit/s or 12 Mbit/s, depending on the device connected.

Note

Some USB devices require that you reinstall software drivers when you connect the device to a different USB port than the one originally used. This can be avoided by always using a certain device with the same USB port.

Securing the Netbook

Your new netbook has software and hardware solutions preventing unauthorised access.

Startup Password

You can protect your netbook against unauthorised use by setting a start-up password. You will then have to enter a password during the netbooks start-up.

The password will be set up in the **BIOS**.

> **Warning!**
>
> Keep your password in a safe place. You will not have any possibility of deleting your password if you forget it. Contact the MEDION Help Desk in that case.

You can also use the security options of Windows®, in order to protect your data against unauthorised access. You will find further information in the chapter **"Data and System Security"** starting on page 64.

Using a Safety Lock

You can prevent theft by using a **Kensington lock**, which can be bought at your local retailer.

The cable wraps around an object and the "T" shaped end inserts into the Kensington lock port and a key or combination dial is used to secure the lock in place. Please keep your key in a safe place.

Software

This section concerns itself with software. We make a distinction between the operating system, the software (application program), **Windows activation, BIOS and the security package BullGuard, which is delivered with the device**.

Getting to Know Windows® 7

Windows® 7 is the new operating system and successor to Vista®.

Windows® 7 contains a number of innovative functions and technologies, enabling your netbook to work quickly and reliably, while being easy to use.

Windows® 7 - News

Improved Taskbar

The Taskbar at the bottom of the screen enables you to start programs and change between programs which are already running. Using Windows® 7, you can place any program in the Taskbar, so that it will always open with one single click. You can also arrange the symbols on the Taskbar simply by clicking on them and dragging them to the desired position. The symbols are also considerably bigger, so that they are easier to use. Moving the cursor over the symbols will display miniatures of each file or each window open in the program. Moving the cursor over the miniature displays a full-screen preview of the particular window. Moving the cursor away from the miniature closes the full-screen preview.

Jump lists

Jump lists offer a practical possibility when opening files which you have recently worked on. To display recently used files, just right-click the application symbol on the Taskbar. Right-clicking on the Word symbol will display recently used Word documents. You can also easily place other files in the jump list if you would like to have them readily at hand, in which case they will always be displayed. This allows you to access documents which you use more frequently, with just a few mouse clicks.

The jump lists from a few programs, such as Windows® Media Player, can be filled in advance with frequently used commands. Thus, for example, the Windows® Media Player jump list might contain options to play all music or to re-open the latest play list.

The Internet Explorer jump list displays frequently and most recently visited websites. For certain programs, this enables rapid access commands which, in the past, could only be retrieved from the program itself, such as the command to create a new e-mail message.

Improved Desktop

Windows® 7 simplifies working with the windows on the Desktop. This provides you with more intuitive possibilities for opening and closing, as well as for changing the size and for rearranging.

Windows® 7 makes the performance of everyday tasks even simpler. For example, the Snaps function makes it easier than ever to compare two open windows. You do not need to adjust the size of the open window for comparison. Simply pull the window, using the mouse, to one of the edges at the side of the screen, and it will fill half the screen. Snap the window on both sides, and it is already easier than ever to compare two windows.

If you would like to display all Desktop mini-applications, simply move the mouse into the lower right hand corner of the Desktop. This makes all open windows transparent, so that the Desktop and all the mini-applications located on it will be instantly visible.

Click on the Titlebar of the window, "shake" it, and all open windows will be displayed as symbols on the Taskbar. "Shake" the window again, and the other windows will be displayed again.

Better device management

Windows® 7 enables you to close, manage and use all devices through the "**Devices and Printers**" central function.

All devices are displayed in a central position.

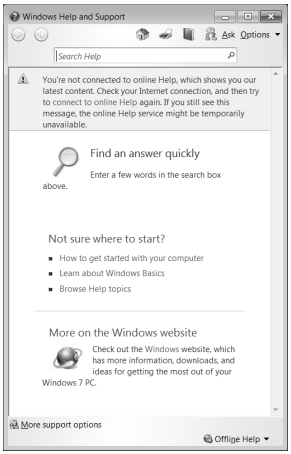
With the new Device Stage Technology, Windows® 7 even goes one step further in device management. Device Stage helps you use all compatible devices connected to your computer. Thanks to Device Stage, now you display the device status in one single window and carry out often-used commands. You will even find pictures of the devices here, easily enabling you to see which devices are connected. The manufacturer of the devices can even adapt Device Stage. If the manufacturer of your camera, for example, prepares an adapted version of Device Stage, you can see the number of photos on the camera and receive links to useful information when you link the camera to the netbook.

Homegroup

With **homegroups**, a new function of Windows® 7, the linking of home computers is really simple. A home network group is created automatically, for example, when you link the first netbook under Windows® 7 with the home network. The addition of additional PCs with Windows® 7 to the home network group is quickly accomplished. You can indicate exactly what should be released on each PC for all other PCs in the home network group. Finally, the shared use of files on the various home PCs, and on many other devices, is so simple that it is as if all files were located on one single hard drive. This allows you to store digital photos on the computer in your home office and then enjoy easy access to them from a laptop in any other room in the house. Similarly, the printer in home office is automatically released for all PCs in the house, as long as they are all in the home network group.

Beginners and persons changing from other Windows versions systems are advised to read this material carefully.

Windows® 7 - Help and Support


Windows Help and Support
Ask
Options
Search Help
You're not connected to online Help, which shows you our latest content. Check your Internet connection, and then try to connect to online Help again. If you still see this message, the online Help service might be temporarily unavailable.
Find an answer quickly
Enter a few words in the search box above.
Not sure where to start?
How to get started with your computer
Learn about Windows Basics
Browse Help topics
More on the Windows website
Check out the Windows website, which has more information, downloads, and ideas for getting the most out of your Windows 7 PC.
More support options
Offline Help

An answer to almost every question can be found in this program.

This help function fully covers the Windows operating system.

It is helpful for both beginners and professionals. You can print or bookmark the information, which is categorised into topics. You start like this:

1. Click on **Start**
2. Now select **Help and Support**

Windows® 7 – Getting Started

Learn everything you need to know about the features of the netbook.

Control Panel ▸ All Control Panel Items ▸ Getting Started
Search Control Panel
Go online to find out what's new in Windows 7
• Discover new features that can help you be productive, stay safer, and have fun
• Find out everything you need to know about setting up your computer
Go online to learn more
welcome
Go online to find out what's new in Windows 7
Personalize Windows
Transfer files and settings from another computer
Use a homegroup to share with other computers in your home
Choose when to be notified about changes to your computer
Go online to get Windows Live Essentials
Back up your files
Add new users to your computer
Change the size of the text on your screen

It is the aim of this feature to enable both beginners and experienced users to make additional setting for the optimal use of Windows®7 after first bringing the Netbook into operation.

Getting Started has been subdivided into many small groups of subjects, so that the user will have the possibility of adjusting the content optimally to his or her knowledge. There are some of the links in the following:

- Go online to find out what's new in Windows®7
- Personalize Windows
- Transfer files and settings from another computer
- Use a homegroup to share with other computers in your home
- Choose when tob e notified about changes to your computer
- Back up your files
- Add new users to your computer
- Change the size of the text on your screen

Use **Getting Started** to understand your netbook better and in order to be able to use it optimally. It will also serve you as an additional source of information for recognizing and removing potential problems.

You will call up **Getting Started** as follows:

1. Click on **Start**
2. Select **Getting Started** in the Program List.

Windows® 7 - User Account Control

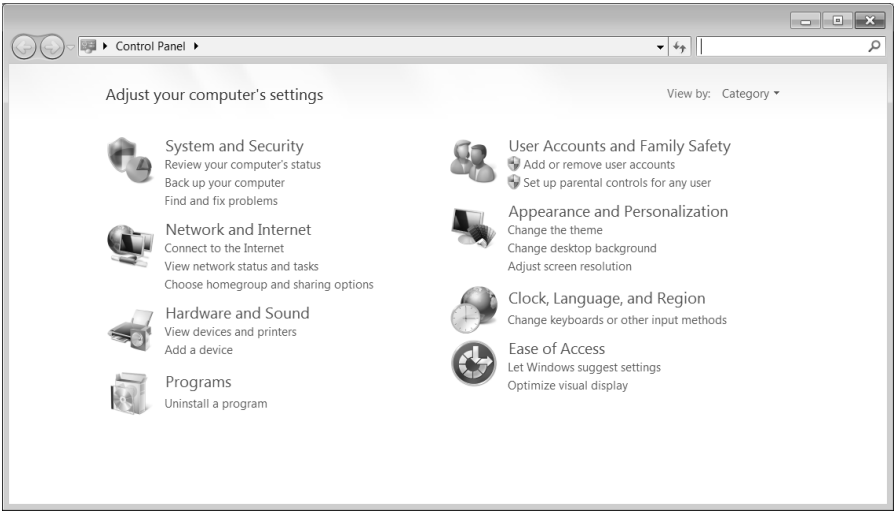
The User Account Control contributes to the prevention of unauthorised changes to the netbook.

A window with the message **"Do you want to allow the following program to make changes to this computer?"** will appear as soon as you carry out an unauthorised change.

- Click on **Continue**, in order to continue the procedure.
- Click on **Cancel**, in order to end the procedure.

Windows® 7 – Control Panel

You can change Windows settings using the control panel. The settings control almost everything relating to Windows displays and functionalities, and they enable you to organise Windows according to your requirements.



When you first open the **Control Panel,** a few of the most frequently used elements of the Control Panel are displayed by category.

For further information on any element in the Control Panel category view, hold the cursor over the symbol or category name and read the pop-up display text.

To open one of these elements, click on the associated symbol or category name.

For a few of these elements, a list, with executable tasks will open, with a selection of individual Control Panel elements.

Searching for the desired control elements may be effected in the following ways:

- Enter a word or expression in the search field.
- Click on **Large Icons** or **Small Icons** under **Display Settings** to display a list of all Control Panel elements.

Installation of Software

Note

If your operating system is configured so that the installation procedure accepts only signed drivers (default) and software an information screen will appear.

The software included in delivery is already pre-installed in the factory.

Attention!

You may find that during the installation procedure important files may be changed or even cancelled. To avoid further problems in using older files after an installation, make sure you safeguard your hard disk. See page 64 for further information regarding data backup.

How to Install your Software

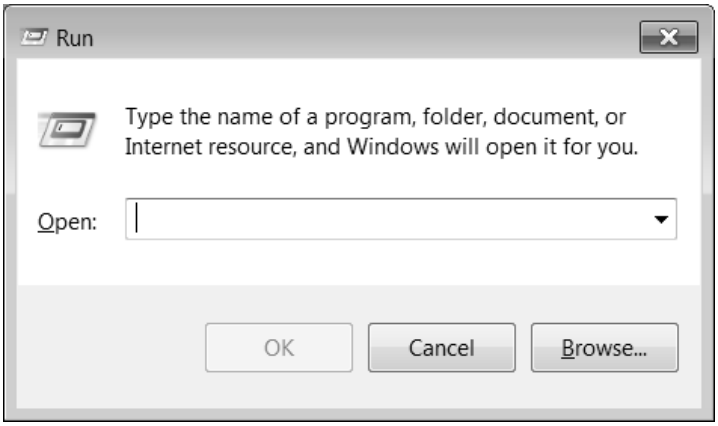
Please follow the instruction of the software vendor. We will describe a **typical** installation. Once you insert a CD into an external DVD/CD drive (not included) connected to your netbook, the installation menu is started automatically.

Note

If the automatic start does not work, it is likely that the so-called **Autorun** function has been deactivated. Read the respective chapter in Windows Help on how to activate this function.

An example for the manual installation **without** the autorun function:

1. Click on **Start** .
2. Click on ▸ **All Programs.**
3. Open the **Accessories** program point.
4. Select the item **Run**.
5. Now enter the letter of the CD-ROM drive followed by a colon and the program name setup:



6. Click on "**OK**".
7. Follow the instruction given by the program.

Software Uninstallation

In order to remove installed software from your netbook, follow the next steps:

1. Click on **Start** .
2. Click on **Control Panel**.
3. Then select the **Programs** option.
4. Select the respective program, start the uninstallation and follow the instructions on the screen.

Windows Activation

Microsoft is committed to the protection of intellectual property rights and the reduction of software piracy. Therefore Windows® 7 contains software-based product activation technology. Your copy of Windows® 7 has already been **activated for your netbook**.

Product activation is needed if some components of your netbook have been replaced or you use a non-authorised BIOS. If necessary you can activate Windows® 7 as often as requested.

You will probably need to activate Windows® 7 by telephone even if Internet Activation is available. This is due to the pre-activated SLP version which runs with a special Product-ID. However, activation needs your unique Product ID which can be found on the **Certificate of Authenticity** sticker on your netbook housing. When you call, please inform your agent that you are running an OEM-(SLP) version of the software.

Product activation on your Netbook

In few cases it may still be required to activate Windows® 7. If activation via the **internet** is acknowledged with an error message you should perform the following steps.

1. Please select the **telephone activation** and click until the related screen appears.
2. Now click on **Change Product Key**. A new window appears. Enter the product key. This is located on the **Certificate of Authenticity (COA)**, on the computer's casing.
3. Acknowledge your entry and follow the instructions on the screen. Notify your Microsoft consultant, if necessary, that you have purchased an OEM license with your computer.

The BIOS Set-up-Program

In BIOS setup (Basic Configuration) there are a number of configurable parameter settings available for your netbook. For example, you can change the operating mode of the interfaces, security features or power management.

Warning!

The netbook is factory pre-set to guarantee optimum operation. Only modify the parameters if necessary and if you are familiar with the configuration options.

Running the BIOS Set-up

You can only run the BIOS configuration program at system start-up. If the netbook has already started, power it down and then up again. Press the **F2** key in order to start the BIOS-SET-UP.

BullGuard Internet Security

The BullGuard Internet Security Package is a combination of the currently most up-to-date PC security technologies on the market and thus offers you 24-hour optimum protection.

BullGuard is already installed, so that additional installation will not be necessary. If you nevertheless have to carry out an installation (e.g. after system restoration), you will find the software package on the application/support disc supplied with the machine.

BullGuard Internet Security consists of the following security components:

- Antivirus
  The centrepiece of any serious Netbook security application, the Antivirus application screens your e-mails, and scans your hard drives for viruses and malware. The BullGuard Antivirus combines the highest update frequency in the business with a no-nonsense user-interface.
- Antispyware*
  BullGuard Antispyware protects your PC from all known kinds of spyware and adware by searching and cleaning files, registry keys, processes and cookies, protecting you from identity theft and the loss of personal information.
- Spamfilter*
  The BullGuard Spamfilter will protect you from annoying spam and potentially costly phishing attempts - a key tool in keeping your Inbox free from unsolicited mail.
- Backup*
  Backing up your files has never been easier with both local and online backup. Not only can you customise the size of your online backup drive to suit your needs - once uploaded, you can access these files from any computer connected to the internet anywhere in the world!
- Support*
  BullGuard Support is a key component in all BullGuard products. Assistance with all security related questions available to all users directly from the application. No FAQ, no automated response – real people and live help.

***Information**

The **Antispyware**, **Spam filter**, **Backup** and **Support** components will only be released activated after the free registration and will be deactivated after the 90-day free trial period.
Procure a BullGuard subscription through the internet link given below, in order to be able to continue to use this module.

The BullGuard Internet Security Package will be updated with the most up-to-date virus information for 90 days after the **free registration**.

The registration window will only appear after your netbook has been restarted. You will need to register by entering your email address.

Note

Keep your password in a secure place.

The antivirus software will continue to run after the expiry of 90 days, but it will no longer be updated, so that your netbook will not be protected against new viruses.

The purchase of various subscriptions through BullGuard is possible in order to always receive the most up-to-date information and updates.

A subscription can be purchased on the internet and carried out without complications. An additional activation or the entering of a licence is not necessary. Neither changes nor additional settings will have to be made.

The release will take place automatically after the purchase of a subscription.

Read the activation information about this on the internet at:

https://www.bullguard.com/buy_new.aspx?

Note

The operating system and anti-virus software are automatically updated when the first online connection is made. These processes usually take a few minutes, during which time the operating speed of the computer may be affected although this is only noticeable on initial start-up.

Chapter 4

Customer Service and Self Help

Subject	Page
Data and System Security	64
System Restore	65
FAQ	70
Customer Service	71
Upgrades and Repairs	76
Recycling and Disposal	77

Data and System Security

The programs described below are part of your Windows operating system. You can find additional information on these programs in the Windows Help file.

Please also read the notes on page 4.

Data Security

Back up data regularly on external media such as an external hard drive. Windows offers **Backup Status and Configuration**.

This program is found in **Accessories** ⇨ **System Tools** within the Start menu. You should make a backup disk with all your passwords and the operating system's original configuration.

Maintenance Programs

You can avoid some hardware and software errors with the help programs such as **Disk Defragmenter** and **Disk Cleanup**. The help program **System Information** can also be helpful as it gives you detailed information about your system configuration. You can also find these programs in **Accessories** ⇨ **System Tools** too.

System Restore

Windows® 7 provides a useful function (**System Restore**) enabling the storage of the so-called **Recovery points**.

The system remembers the current configuration as a snapshot and returns to this, if necessary. The advantage is that an unsuccessful installation can be cancelled.

Recovery points are created automatically by the system, but they can also be set manually.

You can determine and configure yourself the maximum memory taken up by this. You find this program in the program file under **Accessories** ⇨ **System Tools**.

We recommend setting a **recovery point** before installing new software or drivers. At this point if the system does not run properly this recovery point should enable you to return to a workable configuration without deleting newly created documents. In the next paragraph you will find your options for the repair of an incorrect installation.

Correction

Windows® 7 includes various functions ensuring that the Netbook as well as the installed applications and devices work correctly.

These functions assist you in solving the problems which might occur by adding, deleting or replacing files required for the functionality of the operating system, the applications and devices. The recovery function or functions you use depend on the type of occurring problem or error. For detailed information refer to the Windows help.

Windows® Update

Windows Update is the online updating of Windows. Use Windows Update to download elements such as security updates, important updates, the newest help files, drivers and Internet products from the Internet.

The website is regularly augmented by new content, so that you can download the newest updates and error corrections at any time, to protect the netbook and guarantee its functioning.

Windows Update will search through the netbook and provide a list of individual updates especially for the configuration of your netbook.

Each update that Microsoft regards as important for the operation of the operating system, programs or hardware components will be classified as an “important update” and automatically selected for installation for you.

Important updates will be provided to remove known problems and to protect the netbook against known security risks.

Carry out four simple steps, to download the updates needed and to keep your computer on the current status of technology:

1. Click on **Start** .
2. Click on ▸ **All Programs**.
3. Open **Windows Update**.
4. Click on **Check for update**.
5. Click on **Add** to select the desired update and to add it to the updates to be installed, while you are searching through the available updates in each category. You can also read a complete description of each individual element by clicking on the **Read further** Link.
6. Click on **Check and install updates**, when you have selected all the desired updates, and then click on **Install now**.

Windows Update Information for Data Security

Windows Update needs certain information about the respective netbook, so that a suitable list with updates can be provided for you. This information will include the following:

- Version number of the operating system
- Version number of Internet Explorer
- Version numbers of additional software programs
- Plug & Play identification key of the hardware devices

Windows Update will stand up for the protection of your private data and will not record your name, address, email address or other forms of personal data. The information collected will only be used during the time that you are visiting the website. It will also not be stored.

The update can only be executed via the Internet. Ensure that you are on-line with your netbook when downloading the updates.

System Restore

If your system is not functioning properly, you should use the Application Support Disc to restore your system.

Limits of the Recovery

- Changes made to the original configuration (RAS, Desktop or Internet settings) and installed Software will be ignored by this Recovery and will not be reloaded.
- Driver Updates or hardware installed by you will be ignored by this Recovery.

Warning!

All data on drive C will be erased. If necessary, backup all required data on drive D. (You **must** pay attention to the information of pages 4 and 64).

This recovery will reset your system to its **condition at delivery**. Printer installations or other additional software must be reinstalled.

Carrying out a Restore

1. Remove any mass storage devices you may be using (memory cards, USB sticks, etc.).
2. Switch on the netbook.
3. Press the corresponding key when you see the message "**Press F11 to run recovery**" or "**Press F12 to run recovery**".
   After a few seconds, the message "**Windows is loading files**" will appear. Wait until the files are loaded. The "**Power Recover**" menu will then appear.
4. Select the language of the restoration menu.
5. Click on "**Next**".
6. You may now choose between two forms of restoration:
   - **Restore to HDD – no backup of user data**
     All data on the netbook are irretrievably erased, restoring delivery condition.
   - **Restore to HDD – with backed up user data**
     Delivery condition is restored and all user data under **C:\User are preserved**.

   Warning!

   When using the option **with backed up user data,** the restoration procedure takes a long time. Data are only preserved if they are located in the C:\user folder. All other data will be erased. For this reason, you must perform regular backups on external data carriers. We will not be liable for data loss and/or consequential damages.
7. Click on **Next** and follow the further instructions, which will appear on the screen, to restore the delivery condition.

FAQ – Frequently Asked Questions

Do I still have to install the enclosed discs?

No. Basically all programs are already preinstalled. The discs are only intended as backup copies.

Where can I find the drivers necessary for my Netbook?

The drivers are on the second partition of the hard drive, in the Drivers and Tools directories.

What is the Windows activation?

Your operating instructions include a chapter about this subject.

When do I have to activate Windows?

Your software has been preactivated in the factory. An activation will only be required, if ...

... several components are replaced by others.

... you installed a new motherboard.

... a different BIOS version has been installed.

... you install the software on to another computer.

When is the recovery of the factory setting recommended?

This method should be chosen as the last resort. Read chapter "**System Restore**" concerning the possible alternatives.

Customer Service

Localise the Cause

Errors can have simple causes, but sometimes they are caused by faulty equipment. We would like to give you some tips to help solve common problems. Should these instructions not lead to success, please feel free to contact us.

Check Cables and Connections

Visibly check all cables and connections. Should all lights be off, check whether all equipment is supplied with power.

- In battery mode, connect the netbook to the power adapter and ensure that the battery is charged up.
- If you are operating the netbook with the power adapter, check the electrical socket, power cord and all switches in the circuit of the electrical socket.
- Switch off the netbook and check all cable connections. Check the connections to peripherals. Do not exchange cables, even though they may look similar. The polarity in the cables may be different. When it is confirmed that the netbook has power and all connections are correct, turn the netbook on again.

Frequent use of the programs **Disk Defragmenter** and **Disk Cleanup** will help you to avoid problems with your operating
system.

The tool "**System Information**", available in the program folder "**System Tools**" is also very useful.

Errors And Possible Causes

The screen is black:

- This error can have different causes:
  1. The operational display (On /Off switch) does not shine and the netbook is in the swap file status.
     Solution:
     Operate the On /Off switch.
  2. The sleep display is flashing. The netbook is in the sleep mode.
     Solution:
     Operate the On /Off switch.
  3. The display has been switched off by pressing the key combination **Fn** + **F7**.
     Solution:
     Press the **Fn** + **F7** key combination again.

The netbook switches itself off during operation.

- The accumulator could be empty. Connect the netbook by means of the network adapter and charge the accumulator.

The netbook cannot be switched on.

- Operate the netbook by means of the accumulator and check whether it is correctly inserted and charged.

Incorrect time and date display.

- Click the time display in the task bar and set the correct values afterwards.

The WLAN / Bluetooth connection is not functioning.

- Using the key combination **Fn** + **F2** you can enable or disable the wireless LAN / Bluetooth function function.

The touchpad is not functioning.

- Press the **Fn** + **F9** key combination, in order to activate the touchpad.

Additional Support

If the suggestions in the above section have not solved your problem, please contact the MEDION Help Desk on 1 300 884 987 and we will attempt to help you solve the problem. Before you call, however, please have your proof of purchase at hand and the following information available:

- How is your computer configured?
- What additional peripherals do you use?
- What messages, if any, appear on your screen?
- What software were you using when the error occurred?
- What steps have you already undertaken to solve the problem?
- Have you upgraded or removed drivers or hardware?
- Can you manually repeat the problem?
- If you have been given a customer number previously, please have this available.

Driver Support

This netbook has been extensively tested in our laboratories with a large number of compatible devices. It fulfils all required standards and complies with the standard "Designed for Windows®", which certifies utmost compatibility. However, the software drivers for individual components are updated from time to time. This is a regular process provided by the manufacturer to mend possible compatibility problems that may occur with components (e.g., programs or hardware) that were not tested at the time of your netbook's manufacture.

Transporting the Netbook

Please use the following guidelines when transporting the netbook:

- Switch off the netbook. This will prevent damage to the hard disk. When the netbook is turned off, the hard disk heads are moved into a safe area.
- Wait until the Netbook has reached ambient (room) temperature before connecting it to the power supply. Drastic variations in temperature and humidity can create condensation within the Netbook and may cause it to short-circuit.
- Close the netbook and ensure that the cover locks shut.
- Always use the netbook carrying case. This helps to protect the netbook from dirt, moisture, jolts and scratches.
- Should you need to ship your netbook, always use the original packaging and make certain the shipper knows the contents contain fragile electronic equipment.
- Fully charge your battery and any spare batteries immediately before a long journey.
- Enquire about the electricity and communication provision at the location before a journey.
- Acquire the necessary adapter for electricity or communication (modem, LAN, etc.), if necessary, before starting your journey.
- Put the battery into the packaging separately when despatching the netbook.
- It is recommended to send the netbook and all magnetic storage media (floppy disks, external drives) through the x-ray device (the device into which you put your bags), when you are passing through the baggage check at airports. Avoid the magnetic detector (the construction, through which you walk) or the magnetic rod (the manual device of the security personnel), because they could destroy your data, among other consequences.

Maintenance

Warning!

There are no user-serviceable or user-cleanable parts inside the netbook housing. Never open the netbook housing.

Following these measures can extend the lifetime of your netbook:

- Before cleaning, always remove the power adapter plug and all connecting cables.
- Only use a damp, lint-free cloth to clean the netbook.
- Do not use any solvents, corrosive or gaseous cleaning agents.
- Dust or grease on the touchpad will impair its sensitivity. Remove dust or grease on the surface of the Touchpad with a strip of sticky tape.

Care of the TFT Display

- Always close the netbook when not in use. Avoid touching or scratching the surface of the screen as it is easily damaged.
- Make sure that no water drops are allowed to remain on the screen. Water can cause permanent discoloration.
- Clean the screen with a dry, soft, lint-free cloth.
- Do not expose the screen to bright sunlight or ultraviolet radiation.
- The netbook and its packaging are recyclable.

Note

Protective foil is on the surfaces to protect the device against scratching during production and transportation. Pull off all the foil after you have set up the device correctly and before bringing it into operation.

Upgrades and Repairs

- Only a qualified Service Engineer should perform upgrades and repairs to your netbook.
- If you do not have the necessary qualifications, go to an appropriate Service Engineer. Please contact the Service Centre if you are experiencing technical problems with your netbook.
- Please contact our authorised Service Partners exclusively in the case of a necessary repair.

Notes for Service Engineers

- Before opening the housing, disconnect the netbook from all power sources and remove any connecting cables. If the netbook has not been disconnected from the power outlet before being opened, there is a danger of severe electric shock. There is also a risk of damage to the components.
- Internal components of the netbook may be damaged by electrostatic discharge (ESD). Perform system upgrades and changes in an ESD-protected work area. If no such work area is available, wear an antistatic wrist strap or touch a highly conductive metal object. Your service centre can repair damage sustained by inappropriate handling for a fee.
- Use only original spare parts.

Recycling and Disposal

Device

At the end of its life, the appliance must not be disposed of in household rubbish. Enquire about the options for environmentally-friendly disposal

Batteries

Do not dispose of used batteries in the household rubbish! They must be deposited at a collection point for used batteries.

Packaging

To avoid damage during transport, the netbook is stored in a packaging. Packaging is produced mostly from materials which can be disposed of in an environmentally friendly manner and be professionally recycled.

Should you have any questions concerning the disposal please contact your dealer or MEDION Customer Service.

Chapter 5

Appendix

Subject	Page

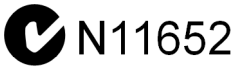
Standards 81
Index 84

Standards

This device fulfils the basis requirements and the relevant regulation of the Ecodesign Guideline 2009/125/EG (Commission Regulation 1275/2008).

Electromagnetic Compatibility

- When connecting additional components, please observe the Guidelines on Electromagnetic Compatibility (EMC).
  Please note that only shielded cables shorter than
  3 meters (9.84 ft) should be used for the LPT, COM, USB, IEEE 1394, audio, video and network interfaces with this netbook.
- Keep the netbook at least one meter (approximately three feet) away from high frequency and magnetic interference sources (e.g., televisions, loudspeaker cabinets, mobile telephones, etc.) in order to avoid malfunctions and/or loss of data.



ISO 13406-2 Class II

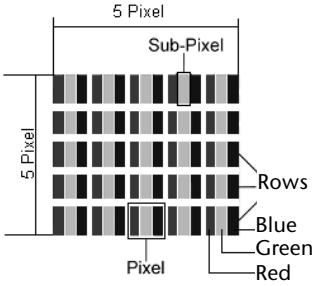
Active matrix LCDs (TFT) with a resolution of **1024 x 600** pixel, which are in turn composed of three sub-pixels each (red, green, blue), contain about **1.8** million addressable transistors. Because of this very high number of transistors and their extremely complex production process occasionally defective or incorrectly addressed pixels or sub-pixels may occur.

There have been several attempts in the past to define the acceptable number of defective pixels. But this can be difficult and varies widely between different manufacturers.

We, therefore, adhere to the clear and strict requirements of **ISO 13406-2, class II**, for the warranty handling of all TFT display products. These requirements are summarised below.

Within ISO-standard 13406-2 the general requirements regarding pixel defects are defined. Pixel defects are classified into three failure types and four failure classes. Each individual pixel is made up of three sub-pixels in the primary colours (red, green, blue).

Pixel structure



Types of Pixel Failures:

- Type 1:
  A constantly lit pixel (a bright, white spot), even though it is **not** addressed. A white pixel is caused when all three sub-pixel are lit.
- Type 2:
  A pixel that does not light up (dark, black spot), although it is addressed
- Type 3:
  Abnormal or defective red, green or blue sub-pixels.
  (E.g. constantly lit with half the brightness, one colour is not shining, blinking or flickering, but not belonging to Type 1 or 2 Pixel Failures)

In addition: A cluster of type 3 (= 2 or more defective sub-pixels in an array of 5 x 5 pixel). A cluster is an array of 5 x 5 pixel (15 x 5 sub-pixel).

ISO 13406-2, Class II

Resolution	Type 1	Type 2	Type 3	Cluster Type 1, Type 2	Cluster Type 3
1024 x 768	2	2	4	0	2
1280 x 854	3	3	6	0	3
1280 x 1024	3	3	7	0	3
1366 x 768	3	3	7	0	3
1400 x 1050	3	3	8	0	3

Example:

A 17" (approx. 44 cm) - SXGA-display consists of 1280 horizontal and 1024 vertical picture dots (pixel), which amounts to a total of 1,31 million pixels. Based on one million pixels this translates into a factor of about 1.31.
Class II type failure consequently allows for three defects each of type 1 and type 2 and 7 defects of type 3 and 3 cluster of type 3.

These cases are normally not covered by warranty.
If the number of failures exceeds the figures of any category mentioned above then this may be covered by the warranty.

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Shielded interface cables, if any, must be used in order to comply with the emission limits.

Copying This Manual

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Index

A

All Programs 19
Ambient Temperature 5
Appearance and Personalization 32
Audio Out 42
Autorun 56

B

Battery Operation 26
  Checking the battery level 29
  Battery Power 28
  Charging 28
  Discharging the Battery 28
  Removing 27
Battery Power 28
BIOS Setup-Program 59
BIOS Utility
  Running 59
Bluetooth 46
BullGuard Internet Security 60

C

Cabling 8
Card Reader 47
Care of Displays 75
Carrying out a Restore 69
Charging the Battery 28
Checking the Battery Level 29
Connectors
  External Monitor 33
  Power Socket 15
  Sound Card 41
  USB 48
Control Panel 55
  Disk Management 39
Customer Service 71

D

Data and System Security 64
Data Entry 35
Data Security 4, 64
Directories 40
Discharging the Battery 28
Display 31
  Opening and Closing the Display ... 31
  Screen Resolution 31
Driver Support 73

E

Electromagnetic Compatibility 81
EMC 81
External Monitor 33

F

FAQ 70
Fast Ethernet-Network 43
FCC Compliance Statement 83
Frequently Asked Questions 70

G

Getting Started 17
  Inserting the Battery 17

H

Hard Drive 39
HD ..... *See* Hard drive

I

Icons 19
Installation of Software 56
Introduction 3
ISO 13406-2 Class II 81

K

Kensington-Lock 49
Keyboard 35

L

License Agreement 18
Line In 42

M

Main Components 23
  Card Reader 47
Main Operation 26

Maintenance....75
Care of the TFT Display....75
Transporting the netbook....74
Maintenance Programs....64
Memory Cards
Inserting....47
Removing....47
Memory Stick....47
MMC....47
Mouse....37

N

Network....43
Fast Ethernet-Network....43
Troubleshooting....45
What is a Network?....43
Wireless LAN....44

O

On/Off Button....25

P

Power Management....30
Power Supply
Battery Operation....26
Main Operation....26
Hibernate Mode....30
Sleep Mode....30
Product activation on your Netbook....58
Program Bar....19

R

Recycling and Disposal....77
Removing the Battery....27
Repairs....76
Running the Bios Setup....59

S

Safety and Maintenance....1
Safety Instructions
Care of the Display....75
Maintenance....75
Safety Instructions....3
Ambient Temperature....5
Battery Operation....10
Cabling....8
Data Security....4
Power Supply....7
Setup Location....4
Touchpad....9
Upgrades and Repairs....76
Screen Resolution....31
SD....47
Secure Digital....47
Securing the Netbook
Startup Password....49
Service Engineers....76
Setup Location....4
Sleep Mode....30
Software....50
Software Uninstallation....57
Sound Card....41
External Audio Ports....42
Standards....81
Electromagnetic Compatibility....81
FCC Compliance Statement....83
Start Button....19
Support....73
Suspend to Disk....30
System Restore....65

T

Table of Contents....v
The Card Reader....47
Touchpad....9, 37
Transport....74
Troubleshooting....65
Errors and Possible Causes....72

U

Universal Serial Bus....48
Upgrades and Repairs....76
Using a Safety Lock....49

V

Views
Audio Out....15
Device Indicator....16
e-SATA/USB Port....15
Kensington Lock....15
Keyboard....14
LAN Port....15
Microphone....15
Power ON/OFF....15
Power Socket....15

TFT Display 14
Touchpad 14
VGA 15
Webcam 14

W

Webcam 48
Windows Activation 58
Windows® 7
Battery Device Management 51
Control Panel 55
Getting Started 53
Help and Support 52
Homegroup 52
Improved Desktop 51
Improved Taskbar 50
Jump Lists 50
News 50
Windows® Desktop 19
Windows® Update 66
Wireless LAN 44
Working in Comfort 6